

10/04/99
JCS110 U.S. PTO

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

Our Docket No.: **A792.12-0006**

Date: **October 4, 1999**

First Named Inventor: **Nicholas P. Van Brunt**

Express Mail No.: **EL176999050US**

JCS25 U.S. PTO
09/412459
10/04/99

APPLICATION ELEMENTS

ADDRESS TO:

**Assistant Commissioner for Patents
Box Patent Application
Washington, D.C. 20231**

1. ☒ **Fee Calculation Sheet**
(Submit an original and a duplicate for fee processing)
2. ☒ **Specification** Total Pages **[22]**
- Descriptive title of the invention
 - Cross References to Related Applications
 - Statement Regarding Fed. Sponsored R&D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claims
 - Abstract of the Disclosure
3. ☒ **Drawings** (35 U.S.C. 113) Total Sheets **[12]**
4. ☒ **Oath or Declaration** Total Pages **[2]**
- a. ☒ **Newly Executed** (original or copy)
- b. ☐ **Copy from a prior application** (37 C.F.R. 1.63(d) - for continuation/divisional with Box 18 completed)
- [Mark Box 5 below]**
- i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b)
- ☐ **Incorporation by Reference** (useable if Box 4b is checked). The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein

6. ☐ **Microfiche Computer Program** (Appendix)
7. **Nucleotide and/or Amino Acid Sequence Submission**
(If applicable, all necessary)
- a. ☐ **Computer Readable Copy**
- b. ☐ **Paper Copy** (identical to Computer Copy)
- c. ☐ **Statement verifying identity of above copies**

ACCOMPANYING APPLICATION PARTS

8. ☒ **Assignment Papers** (cover sheet & document(s))
9. ☒ **37 C.F.R. 3.73(b) Submission**
- ☒ **Power of Attorney**
10. ☐ **English Translation Document** (if applicable)
11. ☐ **Information Disclosure Statement** with
Copies of Citations as necessary Total Pages **[]**
12. ☐ **Preliminary Amendment**
13. ☒ **Return Receipt Postcard** (Should be specifically itemized)
14. ☒ **Small Entity Statement(s)**
- ☐ **Statement filed in Prior Application**. Status still proper and desired
15. ☐ **Certified Copy of Priority document(s)**
(If foreign priority is claimed)
16. ☒ **File Data Sheet**
17. ☐ **Other**

18. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information:

☐ **Continuation** ☐ **Divisional** ☐ **Continuation-in-part (CIP)** of prior Application No.

19. CORRESPONDENCE ADDRESS

ATTY NAME
AND REG. NO.

**David R. Fairbairn,
Reg. No. 26,047**

SIGNATURE:

David R. Fairbairn

ADDRESS

**Kinney & Lange, P.A.
THE KINNEY & LANGE BUILDING
312 South Third Street
Minneapolis, MN 55415-1002**

TELEPHONE


(612) 339-1863

FAX

(612) 339-6580

FEE TRANSMITTAL		<i>Complete if Known</i>																																																																																																																																											
		Application No.																																																																																																																																											
		Filing Date	Herewith																																																																																																																																										
		First Named Inventor	Nicholas P. Van Brunt																																																																																																																																										
		Group Art Unit																																																																																																																																											
		Examiner Name																																																																																																																																											
Total Amount of Payment: \$ 420.00		Atty. Docket Number	A792.12-0006																																																																																																																																										
METHOD OF PAYMENT (Check One)		FEE CALCULATION (Continued)																																																																																																																																											
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fee required under 37 C.F.R. 1.16 and 1.17 and credit any over payments to Deposit Account <u>No.11-0982</u>. Deposit Account Name: Kinney & Lange, P.A.</p>		<p>3. ADDITIONAL FEES</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Large Entity Fee Code</th> <th style="width: 10%;">Large Entity Fee (\$)</th> <th style="width: 10%;">Small Entity Fee Code</th> <th style="width: 10%;">Small Entity Fee (\$)</th> <th style="width: 50%;">Fee Description</th> <th style="width: 10%; text-align: right;">Fee paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - Late filing fee or oath</td><td style="text-align: right;">—</td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td style="text-align: right;">—</td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td style="text-align: right;">—</td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For Filing a Request for Reexamination</td><td style="text-align: right;">—</td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td style="text-align: right;">—</td></tr> <tr><td>116</td><td>380</td><td>216</td><td>190</td><td>Extension for reply within second month</td><td style="text-align: right;">—</td></tr> <tr><td>117</td><td>870</td><td>217</td><td>435</td><td>Extension for reply within third month</td><td style="text-align: right;">—</td></tr> <tr><td>118</td><td>1,360</td><td>218</td><td>680</td><td>Extension for reply within fourth month</td><td style="text-align: right;">—</td></tr> <tr><td>128</td><td>1,850</td><td>280</td><td>925</td><td>Extension for reply within fifth month</td><td style="text-align: right;">—</td></tr> <tr><td>120</td><td>300</td><td>220</td><td>150</td><td>Filing a brief in support of an appeal</td><td style="text-align: right;">—</td></tr> <tr><td>121</td><td>260</td><td>221</td><td>130</td><td>Request for oral hearing</td><td style="text-align: right;">—</td></tr> <tr><td>148</td><td>110</td><td>248</td><td>55</td><td>Terminal Disclaimer Fee</td><td style="text-align: right;">—</td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td style="text-align: right;">—</td></tr> <tr><td>141</td><td>1,210</td><td>241</td><td>605</td><td>Petition to revive - unintentional</td><td style="text-align: right;">—</td></tr> <tr><td>142</td><td>1,240</td><td>242</td><td>635</td><td>Utility/Reissue issue fee (inc. advance copies)</td><td style="text-align: right;">—</td></tr> <tr><td>143</td><td>460</td><td>243</td><td>245</td><td>Design issue fee (inc. advance copies)</td><td style="text-align: right;">—</td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td style="text-align: right;">—</td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td style="text-align: right;">—</td></tr> <tr><td>126</td><td>240</td><td>126</td><td>240</td><td>Submission of Information Disclosure Statement</td><td style="text-align: right;">—</td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td style="text-align: right;">40</td></tr> <tr><td colspan="5" style="padding-top: 10px;">Other fee (specify) _____</td><td></td></tr> <tr><td colspan="5"></td><td style="text-align: right; padding-top: 10px;">Subtotal (3) \$40</td></tr> </tbody> </table>		Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee paid	105	130	205	65	Surcharge - Late filing fee or oath	—	127	50	227	25	Surcharge - late provisional filing fee or cover sheet	—	139	130	139	130	Non-English specification	—	147	2,520	147	2,520	For Filing a Request for Reexamination	—	115	110	215	55	Extension for reply within first month	—	116	380	216	190	Extension for reply within second month	—	117	870	217	435	Extension for reply within third month	—	118	1,360	218	680	Extension for reply within fourth month	—	128	1,850	280	925	Extension for reply within fifth month	—	120	300	220	150	Filing a brief in support of an appeal	—	121	260	221	130	Request for oral hearing	—	148	110	248	55	Terminal Disclaimer Fee	—	140	110	240	55	Petition to revive - unavoidable	—	141	1,210	241	605	Petition to revive - unintentional	—	142	1,240	242	635	Utility/Reissue issue fee (inc. advance copies)	—	143	460	243	245	Design issue fee (inc. advance copies)	—	122	130	122	130	Petitions to the Commissioner	—	123	50	123	50	Petitions related to provisional applications	—	126	240	126	240	Submission of Information Disclosure Statement	—	581	40	581	40	Recording each patent assignment per property (times number of properties)	40	Other fee (specify) _____											Subtotal (3) \$40
Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee paid																																																																																																																																								
105	130	205	65	Surcharge - Late filing fee or oath	—																																																																																																																																								
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	—																																																																																																																																								
139	130	139	130	Non-English specification	—																																																																																																																																								
147	2,520	147	2,520	For Filing a Request for Reexamination	—																																																																																																																																								
115	110	215	55	Extension for reply within first month	—																																																																																																																																								
116	380	216	190	Extension for reply within second month	—																																																																																																																																								
117	870	217	435	Extension for reply within third month	—																																																																																																																																								
118	1,360	218	680	Extension for reply within fourth month	—																																																																																																																																								
128	1,850	280	925	Extension for reply within fifth month	—																																																																																																																																								
120	300	220	150	Filing a brief in support of an appeal	—																																																																																																																																								
121	260	221	130	Request for oral hearing	—																																																																																																																																								
148	110	248	55	Terminal Disclaimer Fee	—																																																																																																																																								
140	110	240	55	Petition to revive - unavoidable	—																																																																																																																																								
141	1,210	241	605	Petition to revive - unintentional	—																																																																																																																																								
142	1,240	242	635	Utility/Reissue issue fee (inc. advance copies)	—																																																																																																																																								
143	460	243	245	Design issue fee (inc. advance copies)	—																																																																																																																																								
122	130	122	130	Petitions to the Commissioner	—																																																																																																																																								
123	50	123	50	Petitions related to provisional applications	—																																																																																																																																								
126	240	126	240	Submission of Information Disclosure Statement	—																																																																																																																																								
581	40	581	40	Recording each patent assignment per property (times number of properties)	40																																																																																																																																								
Other fee (specify) _____																																																																																																																																													
					Subtotal (3) \$40																																																																																																																																								
FEE CALCULATION																																																																																																																																													
<p>1. BASIC FILING FEE</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Large Entity Fee Code</th> <th style="width: 10%;">Large Entity Fee (\$)</th> <th style="width: 10%;">Small Entity Fee Code</th> <th style="width: 10%;">Small Entity Fee (\$)</th> <th style="width: 60%;">Fee Description</th> </tr> </thead> <tbody> <tr><td>101</td><td>760</td><td>201</td><td>380</td><td><input checked="" type="checkbox"/> Utility Filing Fee</td></tr> <tr><td>106</td><td>310</td><td>206</td><td>155</td><td><input type="checkbox"/> Design Filing Fee</td></tr> <tr><td>108</td><td>760</td><td>208</td><td>380</td><td><input type="checkbox"/> Reissue Filing Fee</td></tr> <tr><td>114</td><td>150</td><td>214</td><td>75</td><td><input type="checkbox"/> Prov. Filing Fee</td></tr> <tr><td colspan="5" style="text-align: right; padding-top: 10px;">Subtotal (1) \$380</td></tr> </tbody> </table>		Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	101	760	201	380	<input checked="" type="checkbox"/> Utility Filing Fee	106	310	206	155	<input type="checkbox"/> Design Filing Fee	108	760	208	380	<input type="checkbox"/> Reissue Filing Fee	114	150	214	75	<input type="checkbox"/> Prov. Filing Fee	Subtotal (1) \$380																																																																																																																		
Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description																																																																																																																																									
101	760	201	380	<input checked="" type="checkbox"/> Utility Filing Fee																																																																																																																																									
106	310	206	155	<input type="checkbox"/> Design Filing Fee																																																																																																																																									
108	760	208	380	<input type="checkbox"/> Reissue Filing Fee																																																																																																																																									
114	150	214	75	<input type="checkbox"/> Prov. Filing Fee																																																																																																																																									
Subtotal (1) \$380																																																																																																																																													
<p>2. EXTRA CLAIM FEES</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Number Claims</th> <th style="width: 10%;">Prior**</th> <th style="width: 10%;">Extra</th> <th style="width: 10%;">Fee from Below</th> <th style="width: 10%;">Fee Paid</th> <th style="width: 45%;"></th> </tr> </thead> <tbody> <tr> <td>Total</td> <td><u>10</u></td> <td>- <u>20</u></td> <td>= <u>0</u></td> <td>x <u>9</u></td> <td>= <u>0</u></td> </tr> <tr> <td>Indep.</td> <td><u>3</u></td> <td>- <u>3</u></td> <td>= <u>0</u></td> <td>x <u>39</u></td> <td>= <u>0</u></td> </tr> <tr> <td colspan="6">Multiple Dependent Claims _____ = _____</td> </tr> <tr> <td colspan="6" style="padding-top: 5px;">**Insert 3 and 20, or number previously paid if greater; Reissue see below</td> </tr> </tbody> </table> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Large Entity Fee Code</th> <th style="width: 10%;">Large Entity Fee (\$)</th> <th style="width: 10%;">Small Entity Fee Code</th> <th style="width: 10%;">Small Entity Fee (\$)</th> <th style="width: 60%;">Description</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td></tr> <tr><td>102</td><td>78</td><td>202</td><td>39</td><td>Independent claims in excess of 3</td></tr> <tr><td>104</td><td>260</td><td>204</td><td>130</td><td>Multiple Dependent Claim</td></tr> <tr><td>109</td><td>78</td><td>209</td><td>39</td><td>Reissue Independent Claims Over Original Patent</td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>Reissue claims in excess of 20 and over original patent</td></tr> <tr><td colspan="5" style="text-align: right; padding-top: 10px;">Subtotal (2) \$0</td></tr> </tbody> </table>		Number Claims	Prior**	Extra	Fee from Below	Fee Paid		Total	<u>10</u>	- <u>20</u>	= <u>0</u>	x <u>9</u>	= <u>0</u>	Indep.	<u>3</u>	- <u>3</u>	= <u>0</u>	x <u>39</u>	= <u>0</u>	Multiple Dependent Claims _____ = _____						**Insert 3 and 20, or number previously paid if greater; Reissue see below						Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Description	103	18	203	9	Claims in excess of 20	102	78	202	39	Independent claims in excess of 3	104	260	204	130	Multiple Dependent Claim	109	78	209	39	Reissue Independent Claims Over Original Patent	110	18	210	9	Reissue claims in excess of 20 and over original patent	Subtotal (2) \$0																																																																															
Number Claims	Prior**	Extra	Fee from Below	Fee Paid																																																																																																																																									
Total	<u>10</u>	- <u>20</u>	= <u>0</u>	x <u>9</u>	= <u>0</u>																																																																																																																																								
Indep.	<u>3</u>	- <u>3</u>	= <u>0</u>	x <u>39</u>	= <u>0</u>																																																																																																																																								
Multiple Dependent Claims _____ = _____																																																																																																																																													
**Insert 3 and 20, or number previously paid if greater; Reissue see below																																																																																																																																													
Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Description																																																																																																																																									
103	18	203	9	Claims in excess of 20																																																																																																																																									
102	78	202	39	Independent claims in excess of 3																																																																																																																																									
104	260	204	130	Multiple Dependent Claim																																																																																																																																									
109	78	209	39	Reissue Independent Claims Over Original Patent																																																																																																																																									
110	18	210	9	Reissue claims in excess of 20 and over original patent																																																																																																																																									
Subtotal (2) \$0																																																																																																																																													

Signature


 David R. Fairbairn

Reg. No.

26,047

Date

10/4/99

Deposit Account No.

11-0982